ABSTRACT OF THE DISCLOSURE

An aircraft galley air cooling system utilizes a controller having software for regulating the temperature within food carts within a galley air cooling unit. The cooling unit includes supply air and return air temperature sensors which measure

5   the temperature of the air entering and exiting the food cart. The return air temperature is regulated by controlling the amount of a liquid refrigerant that flows through a heat exchanger within the cooling unit. If the return air temperature sensor fails, then the controller regulates the supply air temperature. The controller also regulates defrosting of the cooling unit.

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